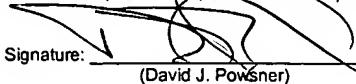


JFW \$

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Dated: 8/13/04

Signature:   
(David J. Powsner)

Docket No.: 102320-0037  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Richard D. Thornton et al.

Application No.: 10/676,726

Confirmation No.: 2945

Filed: October 1, 2003

Art Unit: 2834

For: SUSPENDING, GUIDING AND  
PROPELLED VEHICLES USING  
MAGNETIC FORCES

Examiner: B. S. Mullins

08/17/2004 LWONDIM1 00000016 10676726

01 FC:1806

180.00 OP

### INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the publications listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

A copy of each publication on the PTO/SB/08 is attached.

Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

application by this firm) to our Deposit Account No. 141449, under Order No. 102320-0037. A duplicate copy of this paper is enclosed.

Dated: 8/13/04

Respectfully submitted,

By

David J. Powsner

Registration No.: 31,868

NUTTER MCCLENNEN & FISH LLP

World Trade Center West

155 Seaport Boulevard

Boston, Massachusetts 02210-2604

(617) 439-2000

(617) 310-9000 (Fax)

Attorney for Applicant



PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/676,726-Conf. #2945
		Filing Date	October 1, 2003
		First Named Inventor	Richard D. Thornton
		Art Unit	2834
		Examiner Name	B. S. Mullins
Total Number of Pages in This Submission	16	Attorney Docket Number	102320-0037

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Receipt Postcard (in duplicate) Copies of 13 publications as listed on 1449
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	NUTTER MCLENNEN & FISH LLP David J. Powsner 31,868
Signature	
Date	8/13/04

### Transmittal

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Signature:

(David J. Powsner)



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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

## Complete if Known

Application Number	10/676,726-Conf. #2945
Filing Date	October 1, 2003
First Named Inventor	Richard D. Thornton
Examiner Name	B. S. Mullins
Art Unit	2834
Attorney Docket No.	102320-0037

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  Other  None  
 Deposit Account:

 Deposit Account Number **141449**

 Deposit Account Name **Nutter McCennen & Fish LLP**

The Director is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ 0.00)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	---	Extra Claims	Fee from below	Fee Paid
	---			
Independent Claims	---			
Multiple Dependent	---			

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051 65 Surcharge – late filing fee or oath	
1052	50	2052 25 Surcharge – late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	420	2252 210 Extension for reply within second month	
1253	950	2253 475 Extension for reply within third month	
1254	1,480	2254 740 Extension for reply within fourth month	
1255	2,010	2255 1,005 Extension for reply within fifth month	
1401	330	2401 165 Notice of Appeal	
1402	330	2402 165 Filing a brief in support of an appeal	
1403	290	2403 145 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive – unavoidable	
1453	1,330	2453 665 Petition to revive - unintentional	
1501	1,330	2501 665 Utility issue fee (or reissue)	
1502	480	2502 240 Design issue fee	
1503	640	2503 320 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	180.00
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1809	770	2809 385 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810 385 For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801 385 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

## SUBMITTED BY

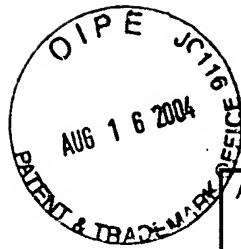
(Complete if applicable)

Name (Print/Type)	David J. Powsner	Registration No. (Attorney/Agent)	31,868	Telephone	(617) 439-2000
Signature					Date

## Fee Transmittal

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Dated: 8/13/04 Signature: (Signature) (David J. Powsner)



Application No. (if known): 10/676,726

Attorney Docket No.: 102320-0037

## **Certificate of Mailing Under 37 CFR 1.8**

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P.O. Box 1450  
Alexandria, VA 22313-1450

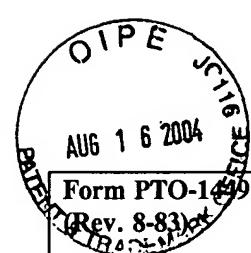
on 8/13/01 Date

**Signature**

David J. Powsner  
Typed or printed name of person signing Certificate

**Note:** Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

**IDS (Citation) by Applicant (11 pages)**

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO:  
0102320-00037APPLICATION NO:  
10/676,726APPLICANT(S):  
Thornton et al.FILING DATE:  
10/1/2003

GROUP ART UNIT:

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE *
	3	0	2	9	8	9	3	4/17/62	Mountjoy			
	3	4	4	0	6	0	0	4/22/69	Frech et al.			
	3	5	3	2	9	3	4	10/6/70	Ballman			
	3	6	0	9	6	7	6	9/28/71	Jauquet et al.	340	23	
	3	6	1	7	8	9	0	11/2/71	Kurauchi et al.	325	51	
	3	6	2	8	4	6	2	12/21/71	Holt	104	105	
	3	6	3	6	5	0	8	1/18/72	Ogilvy et al.	340	47	
	3	6	7	9	8	7	4	7/25/72	Fickenscher	235	61.7	
	3	7	6	8	4	1	7	10/30/73	Thornton et al.			
	3	7	7	2	6	4	0	11/13/73	Auer, Jr. et al.	340	23	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 95/21405	8/10/95	PCT				
		0 229 669	7/22/87	EP				
		0 482 424 B1	1/10/96	EP				
		235 786 A3	5/21/86	DE				x

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	Eightesadi, M. "Inductive Power Transfer to an Electric Vehicle-Analytical Model," 40 <sup>th</sup> IEEE Vehicular Technology Conference (May 6-9, 1990) Orlando, FL, pp. 100-104.
	Stevens, Bruce W. "Asynchronous Bidirectional Network Interface Enabling Seamless Concurrent Processing in a Distributed Heterogeneous Multiprocessor System," Serial No. 783,661, Filing Date 28 October 1991, Office of the Chief of Naval Research.
	Hughes, Austin. <u>Electric Motors and Drives</u> (Newnes: Oxford, 1990), Table of Contents (pp. v-xiii), Chapter 9 "Synchronous, Switched Reluctance and Brushless D.C. Drives," (pp. 293-315).
Examiner	Date Considered:
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE							ATTY. DOCKET NO: 0102320-00037		APPLICATION NO: 10/676,726				
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>									APPLICANT(S): Thornton et al.						
									FILING DATE: 10/1/2003		GROUP ART UNIT:				
<b>U.S. PATENT DOCUMENTS</b>															
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*	
		3	7	8	6	4	1	1	1/15/74	Kurauchi et al.		340	23		
		3	8	4	5	7	2	0	11/5/74	Bohn et al.		104	148		
		3	8	5	8	5	2	1	1/7/75	Atherton		104	148		
		3	8	7	4	2	9	9	4/1/75	Silva et al.		104	130		
		3	9	0	6	4	3	6	9/16/75	Kurauchi et al.		340	23		
		3	9	2	7	7	3	5	12/23/75	Miericke et al.		104	148		
		3	9	7	9	0	9	1	9/7/76	Gagnon et al.		246	8		
		4	0	2	3	7	5	3	5/17/77	Dobler		246	5		
		4	0	6	1	0	8	9	12/6/77	Sawyer		104	23		
		4	0	6	5	7	0	6	12/27/77	Gosling et al.		318	254		
<b>FOREIGN PATENT DOCUMENTS</b>															
		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
														YES	NO
		195 35 856 A1							3/20/97	DE					x
		8-129336							5/21/96	JP					x
		91-4927							3/29/91	KR					x
		1140212 A							2/15/85	SU					x
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)</b>															
		Basak, Amitava. <u>Permanent-Magnet DC Linear Motors</u> (Clarendon Press: Oxford, 1996), Table of Contents (pp. ix-xi), Chapter 2 "Types of DC Linear Motor" (pp. 21-41) and Chapter 5 "Supports and Guidance" (pp. 90-104).													
		Gieras, Jacek F. et al. <u>Linear Synchronous Motors: Transportation and Automation Systems</u> (CRC Press: New York, 2000), Table of Contents, Chapter 6 "High Speed Maglev Transport" (pp. 177-215).													
Examiner		Date Considered:													
		*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.													

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									FILING DATE: 10/1/2003		GROUP ART UNIT:				
<b>U.S. PATENT DOCUMENTS</b>															
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*	
		4	1	2	3	1	7	5	1/2/79	Miller et al.		104	130		
		4	2	9	2	4	6	5	9/29/81	Wilson et al.		178	3		
		4	3	6	1	2	0	2	11/30/82	Minovitch		180	168		
		4	4	4	1	6	0	4	4/10/84	Schlig et al.		198	598		
		4	5	2	2	1	2	8	6/11/85	Anderson		104	130		
		4	6	6	5	8	2	9	5/19/87	Anderson		104	124		
		4	6	6	5	8	3	0	5/19/87	Anderson et al.		104	124		
		4	6	7	1	1	8	5	6/9/87	Anderson et al.		104	130		
		4	7	2	6	2	9	9	2/23/88	Anderson		104	88		
		4	7	7	6	4	6	4	10/11/88	Miller et al.		209	3.3		
<b>FOREIGN PATENT DOCUMENTS</b>															
		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
														YES	NO
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)</b>															
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<b>Form PTO-1449</b> (Rev. 8-83)		<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>							ATTY. DOCKET NO: 0102320-00037		APPLICATION NO: 10/676,726					
									APPLICANT(S): Thornton et al.							
									FILING DATE: 10/1/2003		GROUP ART UNIT:					
									<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*		
		4	7	9	4	8	6	5	1/3/89	Lindberg		104	246			
		4	8	0	0	3	2	8	1/24/89	Bolger et al.		320	2			
		4	8	2	6	3	4	4	6/6/89	Bolger		191	10			
		4	9	1	4	5	3	9	4/3/90	Turner et al.		361	18			
		5	0	3	2	7	4	6	7/16/91	Ueda et al.		310	12			
		5	1	0	8	0	5	2	4/28/92	Malewicki et al.		246	5			
		5	1	2	6	6	0	6	6/30/92	Hofmann		310	49			
		5	2	1	4	3	2	3	5/25/93	Ueda et al.		310	12			
		5	2	1	4	9	8	1	6/1/93	Weinberger et al.		74	573			
		5	2	4	2	1	3	6	9/7/93	Cribbents et al.		246	34			
<b>FOREIGN PATENT DOCUMENTS</b>																
		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION		
															YES	NO
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	1181914_1.DOC															

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									FILING DATE: 10/1/2003		GROUP ART UNIT:					
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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*		
		5	2	5	1	5	6	3	10/12/93	Staehs et al.	104	168				
		5	2	6	3	6	7	0	11/23/93	Colbaugh et al.	246	63				
		5	2	6	7	5	1	4	12/7/93	Staehs et al.	104	246				
		5	2	7	7	1	2	4	1/11/94	DiFonso et al.	104	130				
		5	2	7	7	1	2	5	1/11/94	DiFonso et al.	104	292				
		5	2	9	3	3	0	8	3/8/94	Boys et al.	363	37				
		5	3	2	5	9	7	4	7/5/94	Staehs	211	60.1				
		5	4	0	9	0	9	5	4/25/95	Hoshi et al.	198	372				
		5	4	3	5	4	2	9	7/25/95	Van Den Goor	189	890.1				
		5	4	4	4	3	4	1	8/22/95	Kneifel, II et al.	318	432				
<b>FOREIGN PATENT DOCUMENTS</b>																
		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION		
															YES	NO
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)</b>																
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									APPLICANT(S): Thornton et al.				
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>									FILING DATE: 10/1/2003	GROUP ART UNIT:			
<b>U.S. PATENT DOCUMENTS</b>													
EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*		
		5	4	5	0	3	0	5	9/12/95	Boys et al.	363	24	
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		5	4	6	7	7	1	8	11/21/95	Shibata et al.	104	284	
		5	5	1	7	9	2	4	5/21/96	He et al.	104	286	
		5	5	1	9	2	6	6	5/21/96	Chitayat	310	12	
		5	5	2	1	4	5	1	5/28/96	Oudet et al.	310	266	
		5	5	2	3	6	3	7	6/4/96	Miller	310	156	
		5	5	2	8	1	1	3	6/18/96	Boys et al.	318	16	
		5	5	5	1	3	5	0	9/3/96	Yamada et al.	104	293	
		5	5	7	3	0	9	0	11/12/96	Ross	191	10	
<b>FOREIGN PATENT DOCUMENTS</b>													
		DOCUMENT NUMBER				DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION		
											YES	NO	
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)</b>													
Examiner	Date Considered:												
	*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.												
											1181914_1.DOC		

Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE							ATTY. DOCKET NO: 0102320-00037		APPLICATION NO: 10/676,726				
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									FILING DATE: 10/1/2003		GROUP ART UNIT:				
<b>U.S. PATENT DOCUMENTS</b>															
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*	
		5	5	9	0	6	0	4	1/7/97	Lund		104	88.04		
		5	5	9	0	9	9	5	1/7/97	Berkers et al.		414	357		
		5	5	9	2	1	5	8	1/7/97	Riffaud		340	941		
		5	5	9	5	1	2	1	1/21/97	Elliott et al.		104	53		
		5	6	1	9	0	7	8	4/8/97	Boys et al.		307	85		
		5	7	0	9	2	9	1	1/20/98	Nishino et al.		191	10		
		5	7	2	0	4	5	4	2/24/98	Bachetti et al.		246	34		
		5	7	2	3	9	1	7	3/3/98	Chitayat		310	12		
		5	7	5	7	1	0	0	5/26/98	Burgbacher		310	186		
		5	8	2	1	6	3	8	10/13/98	Boys et al.		307	104		
<b>FOREIGN PATENT DOCUMENTS</b>															
		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
														YES	NO
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)</b>															
Examiner	Date Considered:														
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Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE							ATTY. DOCKET NO: 0102320-00037		APPLICATION NO: 10/676,726			
		INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>							APPLICANT(S): Thornton et al.		FILING DATE: 10/1/2003			
<b>U.S. PATENT DOCUMENTS</b>														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*	
		5	8	3	9	5	5	4	11/24/98	Clark	191	10		
		5	8	9	8	5	7	9	4/27/99	Boys et al.	363	23		
		5	9	2	7	6	5	7	7/27/99	Takasan et al.	246	194		
		5	9	5	2	7	4	3	9/14/99	Sidey	310	12		
		5	9	9	0	5	9	2	11/23/99	Miura et al.	310	156		
		6	0	0	5	5	1	1	12/21/99	Young et al.	342	70		
		6	0	0	8	5	5	2	12/28/99	Yagoto et al.	310	12		
		6	0	1	1	5	0	8	1/4/00	Perreault et al.	342	350		
		6	0	3	4	4	9	9	3/7/00	Tranovich	318	650		
		6	0	8	1	0	5	8	6/27/00	Suzuki et al.	310	156		
<b>FOREIGN PATENT DOCUMENTS</b>														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>									APPLICANT(S): Thornton et al.						
									FILING DATE: 10/1/2003		GROUP ART UNIT:				
<b>U.S. PATENT DOCUMENTS</b>															
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*	
		6	0	8	9	5	1	2	7/18/00	Ansorge et al.		246	194		
		6	1	0	1	9	5	2	8/15/00	Thornton et al.		104	282		
		6	2	2	5	9	1	9	5/1/01	Lumbis et al.		340	933		
		6	4	9	9	7	0	1	12/31/02	Thornton et al.		246	194		
		5	9	0	6	6	4	7	5/25/99	Zyburst et al		701	24		
		6	0	6	4	3	0	1	5/16/00	Takahashi et al.		340	435		
		6	1	0	0	8	2	1	8/8/00	Tanji et al.		340	988		
		6	1	3	7	4	2	4	10/24/00	Cohen et al.		340	933		
		4	8	3	6	3	4	4	6/6/89	Bolger					
		4	0	3	2	1	7	5	1/2/79	Miller et al.					
<b>FOREIGN PATENT DOCUMENTS</b>															
		DOCUMENT NUMBER							DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION	
														YES	NO
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									APPLICANT(S): Thornton et al.					
									FILING DATE: 10/1/2003		GROUP ART UNIT:			
									U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*	
		5	9	0	0	7	2	8	5/4/1999	Moser et al.	324	244		
		6	0	3	2	1	1	0	2/29/2000	Ishihara et al.	702	150		
		5	1	5	2	2	2	7	10/6/92	Kato	104	286		
		5	1	6	1	7	5	8	11/10/92	Shuto	246	419		
		5	1	7	8	0	3	7	1/12/93	Mihirogi	74	569		
		5	1	8	0	0	4	1	1/19/93	Shuto	191	53		
		5	1	9	3	7	6	7	3/16/93	Mihirogi	246	418		
		5	1	9	9	6	7	4	4/6/93	Mihirogi	246	434		
		5	2	4	7	8	9	0	9/28/93	Mihirogi	104	130		
		5	7	0	8	4	2	7	1/13/98	Bush	340	941		
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													YES	NO
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								APPLICANT(S): Thornton et al.				
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EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME		CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE*	
		5	7	5	7	2	8	8	5/26/98	Dixon et al.	340	941
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											YES      NO	
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